

Southern Yellow Pine specific gravity = 0.55; allowable load per anchor = 577 lbs.

Spruce Pine Fir specific gravity = 0.42; allowable load per anchor = 385 lbs.

Lag screw: 3/8" dia x 3" long ; must conform to ANSI/ASME B18.2.1

Washer: 1-1/8" O.D. / 3/8" I.D. min; must conform to ANSI B18.22.1 type A.

Pre-drill 1/4" dia pilot holes for lag screw insertion.

1-1/2" minimum lag screw edge distance required.

1-1/2" minimum embedment required.

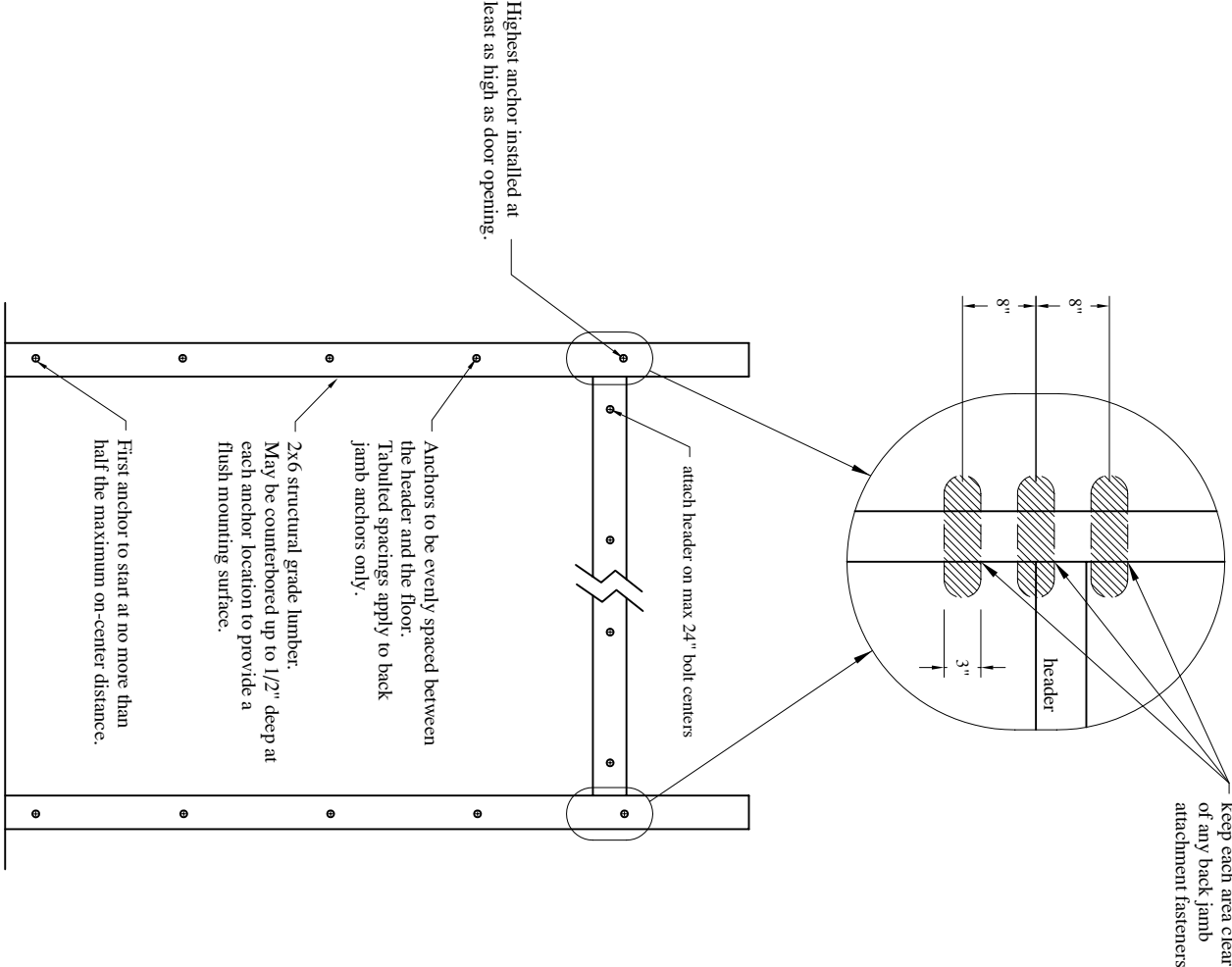
Maximum spacing shown in chart. Lesser spacing may be

used to avoid interference with door component system.

Spring pad connection not included.

Maximum load per jamb = 0.5 x door width x max positive pressure x door height

Door Width	Zone / Max Positive Pressure	Maximum Fastener On-Center Spacing	
		Southern Yellow Pine	Spruce Pine Fir
9	Zone 1 / 12.8	24	24
	Zone 2 / 15.9	24	24
	Zone 3 / 19.2	24	24
	Zone 4 / 22.9	24	24
	Zone 5 / 26.9	24	24
	Zone 6 / 31.2	24	24
	Zone 7 / 35.7	24	24
	Zone 8 / 38.7	24	24
	Zone 9 / 42.6	24	24
	Zone 1 / 12.8	24	24
	Zone 2 / 15.9	24	24
	Zone 3 / 19.2	24	24
10	Zone 4 / 22.9	24	24
	Zone 5 / 26.9	24	24
	Zone 6 / 31.2	24	24
	Zone 7 / 35.7	24	24
	Zone 8 / 38.7	24	23
	Zone 9 / 42.6	24	21
	Zone 1 / 12.4	24	24
	Zone 2 / 15.3	24	24
16	Zone 3 / 18.5	24	24
	Zone 4 / 22.0	24	24
	Zone 5 / 25.9	24	22
	Zone 6 / 30.0	24	19
	Zone 7 / 34.4	24	16
	Zone 8 / 37.1	23	15
	Zone 9 / 40.9	21	14
	Zone 1 / 12.4	24	24
	Zone 2 / 15.3	24	24
	Zone 3 / 18.5	24	24
	Zone 4 / 22.0	24	23
18	Zone 5 / 25.9	24	19
	Zone 6 / 30.0	24	17
	Zone 7 / 34.4	22	14
	Zone 8 / 37.1	20	13
	Zone 9 / 40.9	18	12



Alternative design may be approved by a registered professional engineer.  
Supporting structural elements shall be designed by a registered professional engineer for wind loads in addition to other loads.  
Calculation reference: DASHA TDS #161E and 2005 AF&PA NDS for Wood Construction.

SCALE

none

DATE

06-22-2006

BACK JAMB ATTACHMENT DETAIL

Lag Screw

C.H.I. Drawing: BJA-004-02